HW#80H: SolvingQuadraticEq.

Honors Geometry

Due: Wednesday, February 17th, 2016

*Name:\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ PD:\_\_\_\_\_\_*

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| ***Use the Zero-Product Property to solve each of the equations below.*** | |
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| ***Solve by factoring.*** | |
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| 1. A box shaped like a rectangular prism has a volume of 280 inches3. Its dimensions are 4 inches by inches by inches. Find .    1. Draw a labeled picture of this situation.    2. Solve. | |
| 1. Write this equation in standard form, then solve: . | 1. Write this equation in standard form, then solve: . |
| 1. Find the zeros of the function by factoring. | 1. How can you verify the zeros of the function are correct by looking at the graph? |
| 1. Describe and correct the error made in solving the equation below: | |
| 1. Factor: . (Hint: This equation isn’t currently written in quadratic equation form. How can you simplify this equation *so that* it is in quadratic form?) | 1. Find the actual, numerical dimensions of a rectangle with an area of 520 inches2 and sides equal to . |
| 1. Simplify.   Macintosh HD:Users:rmitrovich:Desktop:Screen Shot 2016-02-15 at 11.19.11 PM.png | 1. Simplify.   Macintosh HD:Users:rmitrovich:Desktop:Screen Shot 2016-02-15 at 11.19.18 PM.png |